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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	09/980,644
Filing Date	November 1, 2001
First Named Inventor	Bessereau et al.
Group Art Unit	1633
Examiner Name	S. Priebe, Ph.D.
Attorney Docket Number	0274-6277 IUS (11-2811)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SP		BAMBER et al., "The <i>Caenorhabditis elegans</i> unc-49 Locus Encodes Multiple Subunits of a Heteromultimeric GABA Receptor," J. Neurosci. 19: 5348-5359 (1999).	
		BELLEN et al., "P-element-mediated enhancer detection: a versatile method to study development in <i>Drosophila</i> ," Genes Dev. 3: 1288-1300 (1989).	
		BRYAN et al., "Insertion and Excision of the Transposable Element <i>mariner</i> in <i>Drosophila</i> ," Genetics 125: 103-114 (1990).	
		CLARK et al., "The <i>Caenorhabditis elegans</i> Locus <i>lin-15</i> , a Negative Regulator of a Tyrosine Kinase Signaling Pathway, Encodes Two Different Proteins," Genetics 137: 987-997 (1994).	
		COATES et al., "Mariner transposition and transformation of the yellow fever mosquito, <i>Aedes aegypti</i> ," Proc. Natl. Acad. Sci. USA 95: 3748-3751 (1998).	
		COLLEAUX et al., "Universal Code Equivalent of a Yeast Mitochondrial Intron Reading Frame Is Expressed into <i>E. coli</i> as a Specific Double Strand Endonuclease," Cell 44: 521-533 (1986).	
		COOLEY et al., "Insertional Mutagenesis of the <i>Drosophila</i> Genome with Single P Elements," Science 239: 1121-1128 (1988).	
		COULSON et al., "Toward a physical map of the genome of the nematode <i>Caenorhabditis elegans</i> ," Proc. Natl. Acad. Sci. USA 83: 7821-7825 (1986).	
		COULSON et al., "YACs and the <i>C. elegans</i> Genome," BioEssays 13: 413-417 (1991).	
		EIDE et al., "Insertion and Excision of <i>Caenorhabditis elegans</i> Transposable Element Tc1," Mol. Cell. Biol. 8: 737-746 (1988).	

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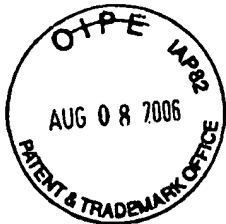
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SP		EVAN et al., "A Matter of Life and Cell Death," Science 281: 1317-1322 (1998).	
		FADOOL et al., "Transposition of the <i>mariner</i> element from <i>Drosophila mauritiana</i> in zebrafish," Proc. Natl. Acad. Sci. USA 95: 5182-5186 (1998).	
		FIRE et al., "A modular set of <i>lacZ</i> fusion vectors for studying gene expression in <i>Caenorhabditis elegans</i> ," Gene 93: 189-198 (1990).	
		GARZA et al., "Introduction of the Transposable Element <i>mariner</i> into the Germline of <i>Drosophila melanogaster</i> ," Genetics 128: 303-310 (1991).	
↓		GOLIC, "Generating mosaics by site-specific recombination," D. A. Hartley, ed., Oxford Univ. Press, pp. 1-31 (1993).	
SP		GOSSEN et al., "Tight control of gene expression in mammalian cells by tetracycline-responsive promoters," Proc. Natl. Acad. Sci. USA 89: 5547-5551 (1992).	
		HARTLEY et al., "Modern Thoughts on an Ancient <i>Mariner</i>: Function, Evolution, Regulation," Annu. Rev. Genet. 31: 337-358 (1997). duplicate	
SP		JACOBSON et al., "Molecular structure of a somatically unstable transposable element in <i>Drosophila</i> ," Proc. Natl. Acad. Sci. USA 83: 8684-8688 (1986).	
		KRAMER et al., "The <i>Caenorhabditis elegans</i> <i>rol-6</i> Gene, Which Interacts with the <i>sqt-1</i> Collagen Gene To Determine Organismal Morphology, Encodes a Collagen," Mol. Cell. Biol. 10: 2081-2089 (1990).	
		LAMPE et al., "A purified <i>mariner</i> transposase is sufficient to mediate transposition <i>in vitro</i> ," EMBO J 15: 5470-5479 (1996).	
		LOHE et al., "Germline Transformation of <i>Drosophila virilis</i> With the Transposable Element <i>mariner</i> ," Genetics 143: 365-374 (1996).	
↓		LOHE et al., "Self-Inflicted Wounds, Template-Directed Gap Repair and a Recombination Hotspot: Effects of the <i>mariner</i> Transposase," Genetics 154: 647-656 (2000).	
SP		LOUKERIS et al., "Introduction of the transposable element <i>Minos</i> into the germ line of <i>Drosophila melanogaster</i> ," Proc. Natl. Acad. Sci. USA 92: 9485-9489 (1995).	

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SP		MEDHORA et al., "Molecular and Functional Analysis of the <i>mariner</i> Mutator Element <i>Mos1</i> in <i>Drosophila</i> ," Genetics 128: 311-318 (1991).	
		MELLO et al., "Efficient gene transfer in <i>C. elegans</i> : extrachromosomal maintenance and integration of transforming sequences," EMBO J 10: 3959-3970 (1991).	
		PLASTERK et al., "Resident aliens, the <i>Tc1/mariner</i> superfamily of transposable elements," Trends Genet. 15: 326-332 (1999).	
		PLASTERK et al., "Transposons," Cold Spring Harbor Laboratory Press, New York, 97-116 (1997).	
		ROBERTSON et al., "Recent Horizontal Transfer of a <i>mariner</i> Transposable Element among and between Diptera and Neuroptera," Mol. Biol. Evol. 12: 850-862 (1995).	
		RUSHFORTH et al., "Site-Selected Insertion of the Transposon <i>Tc1</i> into a <i>Caenorhabditis elegans</i> Myosin Light Chain Gene," Mol. Cell. Biol. 13: 902-910 (1993).	
↓		RUSHFORTH et al., "Splicing Removes the <i>Caenorhabditis elegans</i> Transposon <i>Tc1</i> from Most Mutant Pre-mRNAs," Mol. Cell. Biol. 16: 422-429 (1996).	

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SP		Sanger Center, "Caenorhabditis Genome Sequencing Projects," web site at http://www.sanger.ac.uk/Projects/C_elegans/ (date unknown).	
		SEDENSKY et al., "Identification of a <i>mariner</i> -like repetitive sequence in <i>C. elegans</i> ," Nucleic Acids Res. 22: 1719-1723 (1994).	
		SPRADLING et al., "Transposition of Cloned P Elements into <i>Drosophila</i> Germ Line Chromosomes," Science 218: 341-347 (1982).	
		SUNDARARAJAN et al., "Transposable element interactions in insects: crossmobilization of <i>hobo</i> and <i>Hermes</i> ," Insect Mol. Biol. 8: 359-368 (1999).	
		The <i>C. Elegans</i> Sequencing Consortium, "Genome Sequence of the Nematode <i>C. elegans</i> : A Platform for Investigating Biology," Science 282: 2012-2018 (1998).	
		TOSI et al., " <i>cis</i> and <i>trans</i> factors affecting <i>Mos1</i> <i>mariner</i> evolution and transposition <i>in vitro</i> , and its potential for functional genomics," Nucleic Acids Res. 28: 784-790 (2000).	
		WATSON et al., "Movable Genes," Recombinant DNA 175-190, 439-440 2d. ed. (1996).	
		WILSON et al., "2.2 Mb of contiguous nucleotide sequence from chromosome III of <i>C. elegans</i> ," Nature 368: 32-38 (1994).	
		WOOD, "Introduction to <i>C. elegans</i> Biology," Cold Spring Harbor Laboratory, 1-16 (1988).	
		ZWAAL et al., "Target-selected gene inactivation in <i>Caenorhabditis elegans</i> by using a frozen transposon insertion mutant bank," Proc. Natl. Acad. Sci. USA 90: 7431-7435 (1993).	
✓		ZWAAL et al., "Two Neuronal G Proteins are Involved in Chemosensation of the <i>Caenorhabditis elegans</i> Dauer-Inducing Pheromone," Genetics 145: 715-727 (1997).	

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